

**Avey, Lance**

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**From:** Hawkins, Andy  
**Sent:** Wednesday, December 16, 2015 3:38 PM  
**To:** Avey, Lance  
**Subject:** RE: Hourly SO2 emissions information

(b) (5)

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Andy Hawkins  
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11201 Renner Boulevard  
Lenexa, Kansas 66219  
(913) 551-7179 office  
[hawkins.andy@epa.gov](mailto:hawkins.andy@epa.gov)

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**From:** Avey, Lance  
**Sent:** Wednesday, December 16, 2015 3:35 PM  
**To:** Hawkins, Andy <[hawkins.andy@epa.gov](mailto:hawkins.andy@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

(b) (5)

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**From:** Hawkins, Andy  
**Sent:** Wednesday, December 16, 2015 3:31 PM  
**To:** Avey, Lance <[Avey.Lance@epa.gov](mailto:Avey.Lance@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

(b) (5)

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**From:** Avey, Lance  
**Sent:** Wednesday, December 16, 2015 3:10 PM  
**To:** Hawkins, Andy <[hawkins.andy@epa.gov](mailto:hawkins.andy@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

(b) (5) [REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]

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**From:** Hawkins, Andy  
**Sent:** Wednesday, December 16, 2015 2:58 PM  
**To:** Avey, Lance <[Avey.Lance@epa.gov](mailto:Avey.Lance@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

(b) (5) [REDACTED]

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**From:** Avey, Lance  
**Sent:** Wednesday, December 16, 2015 2:40 PM  
**To:** Hawkins, Andy <[hawkins.andy@epa.gov](mailto:hawkins.andy@epa.gov)>  
**Subject:** FW: Hourly SO2 emissions information

(b) (5)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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**From:** Miller, Ken [<mailto:kenneth.miller@wustl.edu>]  
**Sent:** Wednesday, December 16, 2015 2:05 PM  
**To:** Avey, Lance <[Avey.Lance@epa.gov](mailto:Avey.Lance@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

Lance,

It might be helpful for you to have the attached spreadsheet open when we discuss Labadie. Talk to you in a few.

Ken

Ken Miller, P.G.  
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**From:** Miller, Ken  
**Sent:** Wednesday, December 16, 2015 9:11 AM  
**To:** Avey, Lance  
**Subject:** RE: Hourly SO2 emissions information

OK, no problem. I'll call you a little after 2 then.

Thanks,  
Ken

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**From:** Avey, Lance [<mailto:Avey.Lance@epa.gov>]  
**Sent:** Wednesday, December 16, 2015 9:09 AM  
**To:** Miller, Ken  
**Subject:** RE: Hourly SO2 emissions information

Looks like I will be in and out of meetings this morning. Anytime after 2pm this afternoon works good.

Thanks  
Lance

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**From:** Miller, Ken [<mailto:kenneth.miller@wustl.edu>]  
**Sent:** Wednesday, December 16, 2015 9:02 AM  
**To:** Avey, Lance <[Avey.Lance@epa.gov](mailto:Avey.Lance@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

Lance,

I'll call you at 11 if that works for you.

Thanks,  
Ken

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**From:** Avey, Lance [<mailto:Avey.Lance@epa.gov>]  
**Sent:** Wednesday, December 16, 2015 8:05 AM  
**To:** Miller, Ken

**Cc:** Hawkins, Andy  
**Subject:** RE: Hourly SO2 emissions information

Hi Ken,

Both Andy and I are reviewing modeling for Ameren Labadie. Andy will be in and out of the office with end of year leave, but I am available to chat this week at your convenience.

Thanks  
Lance

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**From:** Miller, Ken [<mailto:kenneth.miller@wustl.edu>]  
**Sent:** Tuesday, December 15, 2015 4:46 PM  
**To:** Avey, Lance <[Avey.Lance@epa.gov](mailto:Avey.Lance@epa.gov)>  
**Subject:** RE: Hourly SO2 emissions information

Lance,

Are you reviewing the modeling that was submitted by the Missouri DNR in support of its unclassifiable designation recommendation for Ameren's Labadie plant or is that Andy Hawkins? I wanted to chat briefly with whomever is reviewing the modeling about the issue I raised the other day regarding the hourly stack exit velocities Ameren's consultant used.

Thanks,  
Ken

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**From:** Avey, Lance [<mailto:Avey.Lance@epa.gov>]  
**Sent:** Thursday, December 10, 2015 11:44 AM  
**To:** Miller, Ken  
**Cc:** Hawkins, Andy; Jay, Michael  
**Subject:** Hourly SO2 emissions information

Hi Ken,

Below is a link to Hourly SO2 data collected by States using CEMS for the 2012-2014 period:

<http://www3.epa.gov/ttn/chief/emch/so2naaqs/index.html>

You can see that the exit flow rates are available, but note that stack temperature data is not required to be submitted, and thus is not in CAMD. However, if you possess the modeling inputs for Ameren's AERMOD modeling, you would be able to find information (both stack temps and exit velocities) in there.

Let me know of any further questions,

Thanks

Lance

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